

PCT
JC10 Rec'd PCT/PTO 14 NOV 2005

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group
Art Unit: 3676

Attorney
Docket No.: 121036-0078

Applicants: Masashi KUDO, Kenichi FUJIMOTO,
Atsushi KOGA, Yoshifumi KOJIMA,
Osamu ANDO, and Yoshiki NAKAGAWA

Invention: SEALING MATERIAL

Serial No: 10/530,096

Filed: April 1, 2005

Examiner: Unknown

Certificate Under 37 CFR 1.8

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS
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COMMISSIONER FOR PATENTS, P.O. BOX 1450,
ALEXANDRIA, VA 22313-1450.

on November 9, 2005


Marilynn M. Peterson

REQUEST FOR CORRECTED FILING RECEIPT AND
NOTICE OF ACCEPTANCE OF APPLICATION
UNDER 35 U.S.C. 371 AND 37 CFR 1.495

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a copy of the Filing Receipt and Notice Of Acceptance Of Application Under
35 U.S.C. 371 and 37 CFR 1.495 received in connection with the above-identified application.

As indicated in the hand-written corrections on the enclosed copy of the Filing Receipt the
foreign application date and number is incorrect. The foreign application date and number for the
respective applications should be as follows:

JAPAN 2002-291909 10/04/2002

JAPAN 2002-291912 10/04/2002

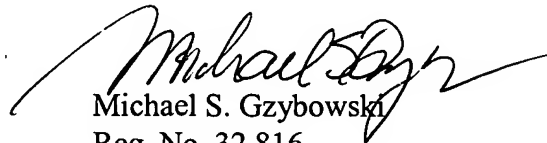
In addition, as indicated in the hand-written correction on the enclosed copy of the Notice Of Acceptance Of Application Under 35 U.S.C. 371 and 37 CFR 1.495, the foreign priority date is incorrect. The foreign priority date should be as follows:

10/04/2002

The correct information for the foreign application date and number, and foreign priority date can be found on the PCT/USA National Declaration and Power of Attorney For U. S. Patent Applications in the United States Patent and Trademark Office Under 35 U. S. C. Section 3719 (c) (4) and Publication PCT WO2004/031315 A1, copies are attached.

The undersigned respectfully requests a corrected Filing Receipt and Notice Of Acceptance Of Application Under 35 U.S.C. 371 and 37 CFR 1.495 showing the requested corrections for the above-identified application.

Respectfully submitted,


Michael S. Gzybowski
Reg. No. 32,816

BUTZEL LONG
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CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Masahi KUDO, et al

Docket No.

121036-0078

Application No.

10/530,096

Filing Date

April 1, 2005

Examiner

Unknown

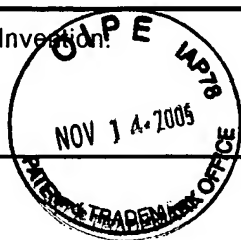
Customer No.

35684

Group Art Unit

3676

Invention:



SEALING MATERIAL

Request For Corrected Filing Receipt and Notice of Acceptance of Application Under 35 U.S.C. 371 and 37 CFR 1.495, Copy of the Filing Receipt dated 08/29/2005 and Notice Of Acceptance of Application Under 35 U. S. C. 371 and 37 CF 1.495, PCT/USA National Declaration and Power of Attorney for U. S. Patent Application in the United States Patent and Trademark Office under 35 U. S. C. Section 3719 (c)(4), Copy of Publication PCT WO2004/031315 A1 and Return Postcard

I hereby certify that this

(Identify type of correspondence)

is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR

1.8(a)] on November 9, 2005

(Date)

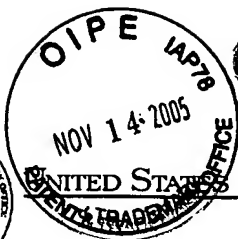
Marilynn M. Peterson

(Typed or Printed Name of Person Mailing Correspondence)

A handwritten signature in cursive script, appearing to read "Marilynn M. Peterson".

(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/530,096	04/01/2005	3676	1550	121036-0078	3	32	2

Michael S Gzybowski
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CONFIRMATION NO. 5558
 FILING RECEIPT
 OC000000016785206
 OC000000016785206

Date Mailed: 08/29/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Masashi Kudo, Kanagawa, JAPAN;
 Kenichi Fujimoto, Kanagawa, JAPAN;
 Atsushi Koga, Kanagawa, JAPAN;
 Yoshifumi Kojima, Kanagawa, JAPAN;
 Osamu Ando, Kanagawa, JAPAN;
 Yoshiki Nakagawa, Osaka, JAPAN;

Assignment For Published Patent Application

NOK CORPORATION, TOKYO, JAPAN

Power of Attorney:

Michael Gzybowski-32816

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/12716 10/03/2003

Foreign Applications

JAPAN 2002-291906 10/04/2002
 JAPAN 2002-291907 10/04/2002
 JAPAN 2002-291909 04/10/2002
 JAPAN 2002-291910 10/04/2002
 JAPAN 2002-291912 10/04/2002
 JAPAN 2002-291914 10/04/2002

Date should be
 ← 10/04/2002

App No. Should be 2002-291912

RECEIVED

AUG 31 2005

MICHAEL S. GZBOWSKI

Projected Publication Date: To Be Determined - pending completion of Security Review

Non-Publication Request: No

Early Publication Request: No

Title

Sealing material

Preliminary Class

277

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



UNITED STATES PATENT AND TRADEMARK OFFICE

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/530,096	Masashi Kudo	121036-0078

INTERNATIONAL APPLICATION NO.

PCT/JP03/12716

I.A. FILING DATE	PRIORITY DATE
------------------	---------------

10/03/2003

04/10/2002

Michael S Gzybowski
 Butzel Long
 350 South Main Street
 Suite 300
 Ann Arbor, MI 48104

Priority Date
 Should Be
 10/04/2002

CONFIRMATION NO. 5558
 371 ACCEPTANCE LETTER
 OC000000016785207
 OC000000016785207

Date Mailed: 08/29/2005

NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

<u>04/01/2005</u>	<u>04/01/2005</u>
DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and (c)(4) REQUIREMENTS	DATE OF COMPLETION OF ALL 35 U.S.C. 371 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Copy of the International Application filed on 04/01/2005
- Copy of the International Search Report filed on 04/01/2005
- Copy of IPE Report filed on 04/01/2005
- Preliminary Amendments filed on 04/01/2005
- Information Disclosure Statements filed on 04/01/2005
- Oath or Declaration filed on 04/01/2005
- Copy of references cited in ISR filed on 04/01/2005
- U.S. Basic National Fees filed on 04/01/2005
- Assignment filed on 04/01/2005
- Priority Documents filed on 04/01/2005
- Power of Attorney filed on 04/01/2005

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

DEBORAH D WILLIAMS

Telephone: (703) 308-9140 EXT 205

PART 1 - ATTORNEY/APPLICANT COPY

FORM PCT/DO/EO/903 (371 Acceptance Notice)

PCT/USA NATIONAL DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATIONS IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE UNDER 35 U.S.C. SECTION 3719(c)(4)

As a below named inventor, I hereby declare that:
My residence, post office address and citizenship are as stated below next to my name:
I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if
plural inventors are named below) of the invention described and claimed in International application No.
PCT/JP03/12716 entitled:

SEALING MATERIAL

and as amended on _____ (if any), which I have reviewed, and I understand the contents of the above identified
specification, including the claims, as amended by any amendment referred to above and for which I solicit a patent;
that I do not know and do not believe that this invention was ever known or used in the United States of America
before my or our invention or discovery thereof, or patented or described in any printed publication in any country
before my or our invention or discovery thereof, or more than one year prior to my international application; that this
invention was not in public use or on sale in the United States of America for more than one year prior to my
international application; that this invention has not been patented or made the subject of an inventor's certificate
issued before the date of my international application in any country foreign to the United States of America on an
application filed by me or my legal representatives or assigns more than twelve months before my international
application; that I acknowledge my duty to disclose information of which I am aware which is material to patentability
of this application; and that prior to filing said international application, applications for patent or inventor's certificate
on this invention of discovery which have been filed by me or my legal representatives or assigns in any country
foreign to the United States of America are as follows:

(a) none filed more than 12 months prior to said international application, unless named below:

(b) earliest filed less than 12 months prior to said international application (the priority of which is hereby
claimed under 35 U.S.C. Section 365):

1. Filing number: 2002-291906, Filing date: October 4, 2002, Country: Japan
2. Filing number: 2002-291907, Filing date: October 4, 2002, Country: Japan
3. Filing number: 2002-291909, Filing date: October 4, 2002, Country: Japan
4. Filing number: 2002-291910, Filing date: October 4, 2002, Country: Japan
5. Filing number: 2002-291912, Filing date: October 4, 2002, Country: Japan
6. Filing number: 2002-291914, Filing date: October 4, 2002, Country: Japan

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) listed
below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United
States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge
the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, §1.56,
which occurred between the filing date of the prior application and the national or PCT international filing date of this
application.

_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status) (patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status) (patented, pending, abandoned)

As a named inventor, I hereby appoint Michael S. Gzybowski, Reg. No. 32,816 of Butzel Long, P.C., as
attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected
therewith.

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO:

Michael S. Gzybowski
Butzel Long, P.C.
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Ann Arbor, MI 48104

Michael S. Gzybowski
Telephone: (734) 995-3110
Facsimile: (737) 995-1777

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from _____ as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from who instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

Full name of sole or first inventor: Masashi KUDO

Residence: Fujisawa-shi, Kanagawa, Japan Citizenship: JAPAN

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Kanagawa 251-0042 Japan

Inventor's Signature: Masashi Kudo Date: 12/March/2004

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Kanagawa 251-0042 Japan

Inventor's Signature: Kenichi Fujimoto Date: 12/March/2004

Full name of third joint inventor: Atsushi KOGA

Residence: Fujisawa-shi, Kanagawa, Japan Citizenship: JAPAN

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Inventor's Signature: Atsushi KOGA Date: 12/March/2004

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Inventor's Signature: Yoshifumi Kojima Date: 12/March/2004

Full name of fifth joint inventor: Osamu ANDO

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Kanagawa 251-0042 Japan

Inventor's Signature: Osamu Ando Date: 12/ March / 2004

Full name of sixth joint inventor: Yoshiki NAKAGAWA

Residence: Settsu-shi, Osaka, Japan Citizenship: JAPAN

Post Office Address: c/o KANEKA CORPORATION, 5-1-1, Torikainishi, Settsu-shi, Osaka,
566-0072 Japan

Inventor's Signature: Yoshiki Nakagawa Date: 27/ February / 2004

(19) 世界知的所有権機関
国際事務局(43) 国際公開日
2004年4月15日 (15.04.2004)

PCT

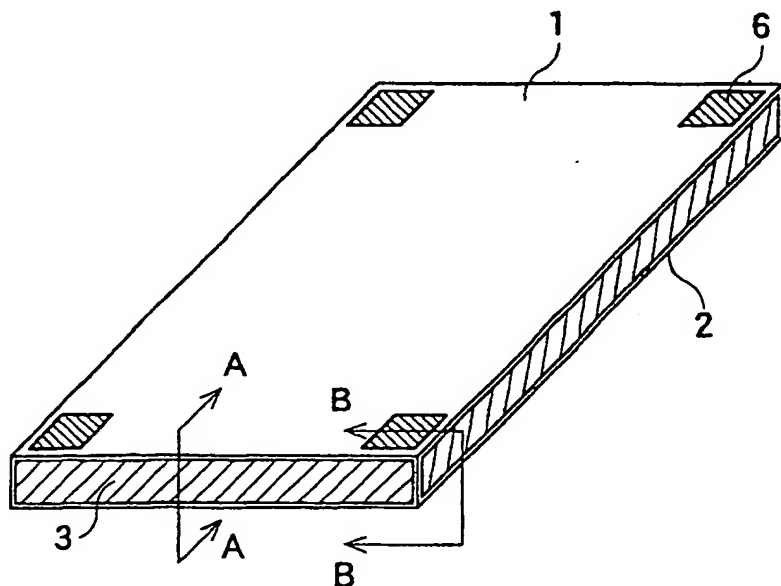
(10) 国際公開番号
WO 2004/031315 A1

- (51) 国際特許分類: C09K 3/10, F16J 15/10 // F02F 7/00, 11/00
- (21) 国際出願番号: PCT/JP2003/012716
- (22) 国際出願日: 2003年10月3日 (03.10.2003)
- (25) 国際出願の言語: 日本語
- (26) 国際公開の言語: 日本語
- (30) 優先権データ:
 特願2002-291906 2002年10月4日 (04.10.2002) JP
 特願2002-291907 2002年10月4日 (04.10.2002) JP
 特願2002-291909 2002年10月4日 (04.10.2002) JP
 特願2002-291910 2002年10月4日 (04.10.2002) JP
 特願2002-291912 2002年10月4日 (04.10.2002) JP
 特願2002-291914 2002年10月4日 (04.10.2002) JP
- (71) 出願人 (米国を除く全ての指定国について): NOK株式会社 (NOK CORPORATION) [JP/JP]; 〒105-8585 東京都港区芝大門一丁目12-15 Tokyo (JP). 鐘淵化学工業株式会社 (KANEKA CORPORATION) [JP/JP]; 〒530-8288 大阪府大阪市北区中之島3丁目2-4 Osaka (JP).
- (72) 発明者; および
 (75) 発明者/出願人 (米国についてのみ): 工藤 正嗣 (KUDO, Masashi) [JP/JP]; 〒251-0042 神奈川県藤沢市辻堂新町四丁目3-1 NOK株式会社内 Kanagawa (JP). 藤本 健一 (FUJIMOTO, Kenichi) [JP/JP]; 〒251-0042 神奈川県藤沢市辻堂新町四丁目3-1 NOK株式会社内 Kanagawa (JP). 古賀 敦 (KOGA, Atsushi) [JP/JP]; 〒251-0042 神奈川県藤沢市辻堂新町四丁目3-1 NOK株式会社内 Kanagawa (JP). 小島 好文 (KOJIMA, Yoshifumi) [JP/JP]; 〒251-0042 神奈川県藤沢市辻堂新町四丁目3-1 NOK株式会社内 Kanagawa (JP). 安藤 理 (ANDO, Osamu) [JP/JP]; 〒251-0042 神奈川県藤沢市辻堂新町四丁目3-1 NOK株式会社内 Kanagawa (JP). 中川 佳樹 (NAKAGAWA, Yoshiki) [JP/JP]; 〒566-0072 大阪府摂津市鳥飼西5-1-1 鐘淵化学工業株式会社内 Osaka (JP).
- (74) 代理人: 吉田 俊夫, 外 (YOSHIDA, Toshio et al.); 〒150-0022 東京都渋谷区恵比寿南一丁目21-11 ヒルサイド恵比寿202 吉田特許事務所 Tokyo (JP).
- (81) 指定国 (国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,

[続葉有]

(54) Title: SEALING MATERIAL

(54) 発明の名称: シール材料



(57) Abstract: A sealing material consisting of a cured material having a composition containing as essential components (A) acryl polymer having at least one hydrosilylation-reactive alkenyl radical, (B) a hydrosilyl radical-containing compound, and (C) a hydrosilylation catalyst. This sealing material is favorably used for sealing a cam cover, an oil pan and a fuel cell coolant in a car engine, and a wire-harness, an HDD cover gasket or a vibration-isolating HDD cover gasket, and the like in a car.

(57) 要約: (A)ヒドロシリル化反応可能なアルケニル基を少なくとも1個有するアクリル系重合体、(B)ヒドロシリル基含有化合物および(C)ヒドロシリル化触媒を必須成分として含有する組成物の硬化物よりなるシール材料。このシール材料は、自動車エンジンのカムカバー用シー

ル、オイルパン用シール、燃料電池冷媒用シール、自動車用ワイヤーハーネスシール、HDDカバーガasketまたは防振性HDDカバーガasket用シール等に好適に用いられる。

WO 2004/031315 A1